



US Army Corps
of Engineers
New England District

PUBLIC NOTICE

696 Virginia Road
Concord, MA 01742-2751

Date: May 24, 2011
Comment Period Ends: June 7, 2011
File Number: NAE-2009-349
In Reply Refer To: Kevin R. Kotelly, P.E.
Or by e-mail: Kevin.r.kotelly@usace.army.mil

- 15 – Day Public Notice -

The District Engineer has received a permit application from the applicant below to **conduct work in waters of the United States** as described below.

APPLICANT

The Town of Chilmark, Massachusetts

PROPOSED WORK AND PURPOSE

The project includes work in navigable waters to place structures below the mean high water line for the placement of 10 submerged longline structures in groups of two in series below the mean high water line within a 15 acre subtidal area for mussel cultivation. Each longline will consist of a 1.12 inch polysteel longline anchored by two 4,000 kg concrete deadweight anchors. Each group of two longlines will require three anchors as they will be in series and will share a middle anchor. Additional intermediate 30 kilogram concrete block anchors may be installed at 7 meter intervals along each longline to hang to the bottom.

Buoyancy will be achieved with two 24 inch diameter circular plastic submerged floats located at each end of the horizontal section of the longlines as well as intermediate 16 inch diameter circular plastic floats spaced as needed along the horizontal sections. The distance between anchors will be 165 meters and the horizontal longline length between end floats will be 117 meters. The submerged depth for the longlines will be 8 meters. At the water's surface, there will be five marking buoys per longline.

Seed mussels socked into biodegradable cotton sleeves with a rope core will be attached to the longline in continuous lengths of up to 600 m per longline, with the pattern consisting of alternating long and short loops descending 8 or 9 m in depth from the longline. As mussels increase in weight, additional buoyancy will be added to the submerged longline to maintain proper depth using additional plastic floats attached to the longline.

A Corps of Engineers permit was previously issued to the Town of Chilmark in October, 2009, for one pilot longline within the 15 acre area. The Town has now requested the deployment of nine additional longlines within the 15 acre area for a total of 10 longlines. The Town has also requested that the 15 acre area be rotated 90 degrees and that the 10 longlines be deployed in groups of two in series to take advantage of the prevailing longshore current and to allow each group of two longlines to share a middle anchor. The groups of two longlines will be deployed in series parallel to the prevailing current with the necessary distance between the lines to allow the passage and maneuvers necessary for service vessels to work the lines.

One longline was also previously permitted under the original permit at a 10 acre site in Rhode Island Sound approximately 3 miles offshore of Chilmark, Massachusetts. No additional longlines have been requested for the 10 acre site.

The work is described on the enclosed plans entitled, "Proposed Aquaculture Site, Offshore – Chilmark, MA," on three sheets.

WATERWAY AND LOCATION OF THE PROPOSED WORK

This work is proposed at a 15 acre site in Vineyard Sound approximately 0.8 miles offshore northwesterly of Chilmark, Massachusetts. The proposed location on the USGS Martha's Vineyard quadrangle sheet is at Latitude 41° 24' 51" N and Longitude 70° 43' 55" W.

AUTHORITY

Permits are required pursuant to:

- ☒ **X** Section 10 of the Rivers and Harbors Act of 1899
- ☐ Section 404 of the Clean Water Act
- ☐ Section 103 of the Marine Protection, Research and Sanctuaries Act).

The decision whether to issue a permit will be based on an evaluation of the probable impact of the proposed activity on the public interest. That decision will reflect the national concern for both protection and utilization of important resources. The benefit which may reasonably accrue from the proposal must be balanced against its reasonably foreseeable detriments. All factors which may be relevant to the proposal will be considered, including the cumulative effects thereof; among those are: conservation, economics, aesthetics, general environmental concerns, wetlands, cultural value, fish and wildlife values, flood hazards, flood plain value, land use, navigation, shoreline erosion and accretion, recreation, water supply and conservation, water quality, energy needs, safety, food production and, in general, the needs and welfare of the people.

The Corps of Engineers is soliciting comments from the public; Federal, state, and local agencies and officials; Indian Tribes; and other interested parties in order to consider and evaluate the impacts of this proposed activity. Any comments received will be considered by the Corps of Engineers to determine whether to issue, modify, condition or deny a permit for this proposal. To make this decision, comments are used to assess impacts on endangered species, historic properties, water quality, general environmental effects, and the other public interest factors listed above. Comments are used in the preparation of an Environmental Assessment and/or an Environmental Impact Statement pursuant to the National Environmental Policy Act. Comments are also used to determine the need for a public hearing and to determine the overall public interest of the proposed activity.

ESSENTIAL FISH HABITAT

The Magnuson-Stevens Fishery Conservation and Management Act, as amended by the Sustainable Fisheries Act of 1996 (Public Law 104-267), requires all federal agencies to consult with the National Marine Fisheries Service on all actions, or proposed actions, permitted, funded, or undertaken by the agency, that may adversely affect Essential Fish Habitat (EFH).

This project will impact 15 acres of Essential Fish Habitat (EFH) for various life stages of the following species: Atlantic cod (*Gadus morhua*), haddock (*Melanogrammus aeglefinus*), pollock (*Pollachius virens*), whiting (*Merluccius bilinearis*), offshore hake (*Merluccius albidus*), red hake (*Urophycis chuss*), white hake (*Urophycis tenuis*), redfish (*Sebastes fasciatus*), witch flounder (*Glyptocephalus cynoglossus*), winter flounder (*Pleuronectes americanus*), yellowtail flounder (*Pleuronectes ferruginea*), windowpane flounder (*Scophthalmus aquosus*), American plaice (*Hippoglossoides platessoides*), ocean pout (*Macrozoarces americanus*), Atlantic halibut (*Hippoglossus hippoglossus*), Atlantic sea scallop (*Placopecten magellanicus*), Atlantic sea herring (*Clupea harengus*), monkfish (*Lophius americanus*), bluefish (*Pomatomus saltatrix*), long finned squid (*Loligo pealei*), short finned squid (*Illex illecebrosus*), Atlantic butterfish (*Peprilus triacanthus*), Atlantic mackerel (*Scomber scombrus*), summer flounder (*Paralichthys dentatus*), scup (*Stenotomus chrysops*), black sea bass (*Centropristus striata*), surf clam (*Spisula solidissima*), ocean quahog (*Artica islandica*), spiny dogfish (*Squalus acanthias*), tilefish (*Lopholatilus chamaeleonticeps*), king mackerel (*Scomberomorus cavalla*), Spanish mackerel (*Scomberomorus maculatus*), cobia (*Rachycentron canadum*), common thresher shark (*Alopias vulpinus*), blue shark (*Prionace glauca*), dusky shark (*Carcharinus obscurus*), shortfin mako shark (*Isurus oxyrinchus*), sandbar shark (*Carcharinus plumbeus*), and bluefin tuna (*Thunnus thynnus*).

Habitat at the Rhode Island Sound site consists of hard bottom with some sand and habitat at the Vineyard Sound site consists of sandy substrate. Loss of this habitat may adversely affect the species listed above. However, the District Engineer has made a preliminary determination that the site-specific adverse effect will not be substantial. Further consultation with the National Marine Fisheries Service regarding EFH conservation recommendations is being conducted and will be concluded prior to the final decision.

SECTION 106 COORDINATION

Based on his initial review, the District Engineer has determined that little likelihood exists for the proposed work to impinge upon properties with cultural or Native American significance, or listed in, or eligible for listing in, the National Register of Historic Places. Therefore, no further consideration of the requirements of Section 106 of the National Historic Preservation Act of 1966, as amended, is necessary. This determination is based upon one or more of the following:

- a. The permit area has been extensively modified by previous work.
- b. The permit area has been recently created.
- c. The proposed activity is of limited nature and scope.
- d. Review of the latest published version of the National Register shows that no presence of registered properties listed as being eligible for inclusion therein are in the permit area or general vicinity.
- e. Coordination with the State Historic Preservation Officer and/or Tribal Historic Preservation Officer(s)

ENDANGERED SPECIES CONSULTATION

The New England District, Army Corps of Engineers has reviewed the list of species protected under the Endangered Species Act of 1973, as amended, which might occur at the proposed project site during the construction and subsequent operation/use period sought by the applicant. It is our determination that the proposed activity for which authorization is being sought is designed, situated or will be operated/used in such a manner that it is not likely to adversely affect any federally listed endangered or threatened species or their designated critical habitat. The National Marine Fisheries Service (NMFS), the Corps, and the applicant have agreed on several special conditions to the permit to minimize any impacts to listed species. Given these conditions, NMFS agreed with the Corps not likely to adversely affect determination.

The States of Connecticut, Maine, Massachusetts, New Hampshire and Rhode Island have approved **Coastal Zone Management Programs**. Where applicable the applicant states that any proposed activity will comply with and will be conducted in a manner that is consistent with the approved Coastal Zone Management Program. The Massachusetts Office of Coastal Zone Management concurred with the applicant's certification and found that the activity's effects on resources and uses in the Massachusetts coastal zone as proposed are consistent with the CZM enforceable program policies.

The following authorizations have been applied for, or have been, or will be obtained:

- (X) Permit, License or Assent from State.
- (X) Permit from Local Wetland Agency or Conservation Commission.
- () Water Quality Certification in accordance with Section 401 of the Clean Water Act.

In order to properly evaluate the proposal, we are seeking public comment. Anyone wishing to comment is encouraged to do so. **Comments should be submitted in writing by the above date.** If you have any questions, please contact Kevin R. Kotelly, P.E. at (978) 318-8703, (800) 343-4789 or (800) 362-4367, if calling from within Massachusetts.

Any person may request, in writing, within the comment period specified in this notice, that a public hearing be held to consider the application. Requests for a public hearing shall specifically state the reasons for holding a public hearing. The Corps holds public hearings for the purpose of obtaining public comments when that is the best means for understanding a wide variety of concerns from a diverse segment of the public.

The initial determinations made herein will be reviewed in light of facts submitted in response to this notice. All comments will be considered a matter of public record. Copies of letters of objection will be forwarded to the applicant who will normally be requested to contact objectors directly in an effort to reach an understanding.

For more information on the New England District Corps of Engineers programs, visit our website at <http://www.nae.usace.army.mil>.

THIS NOTICE IS NOT AN AUTHORIZATION TO DO ANY WORK.



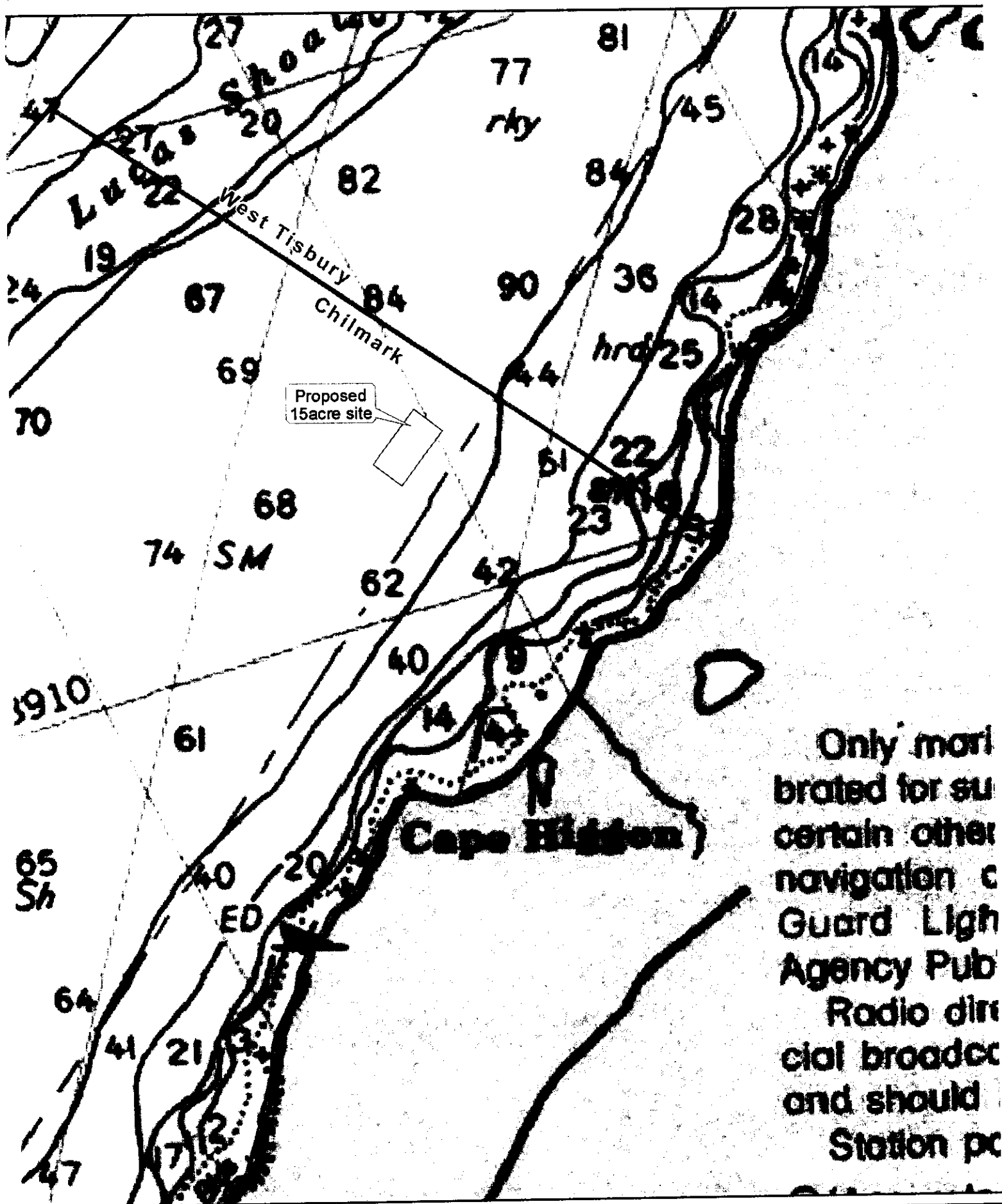
Karen K. Adams
Chief, Permits and Enforcement Branch
Regulatory Division

CENAE-R
FILE NO. NAE-2009-349

If you would prefer not to continue receiving Public Notices, please contact Ms. Tina Chaisson at (978) 318-8058 or e-mail her at bettina.m.chaisson@usace.army.mil. You may also check here () and return this portion of the Public Notice to: Bettina Chaisson, Regulatory Division, U.S. Army Corps of Engineers, 696 Virginia Road, Concord, MA 01742-2751.

NAME: _____

ADDRESS: _____



Proposed Aquaculture Site Offshore - Chilmark, MA



Soundings are in Feet at MLLW

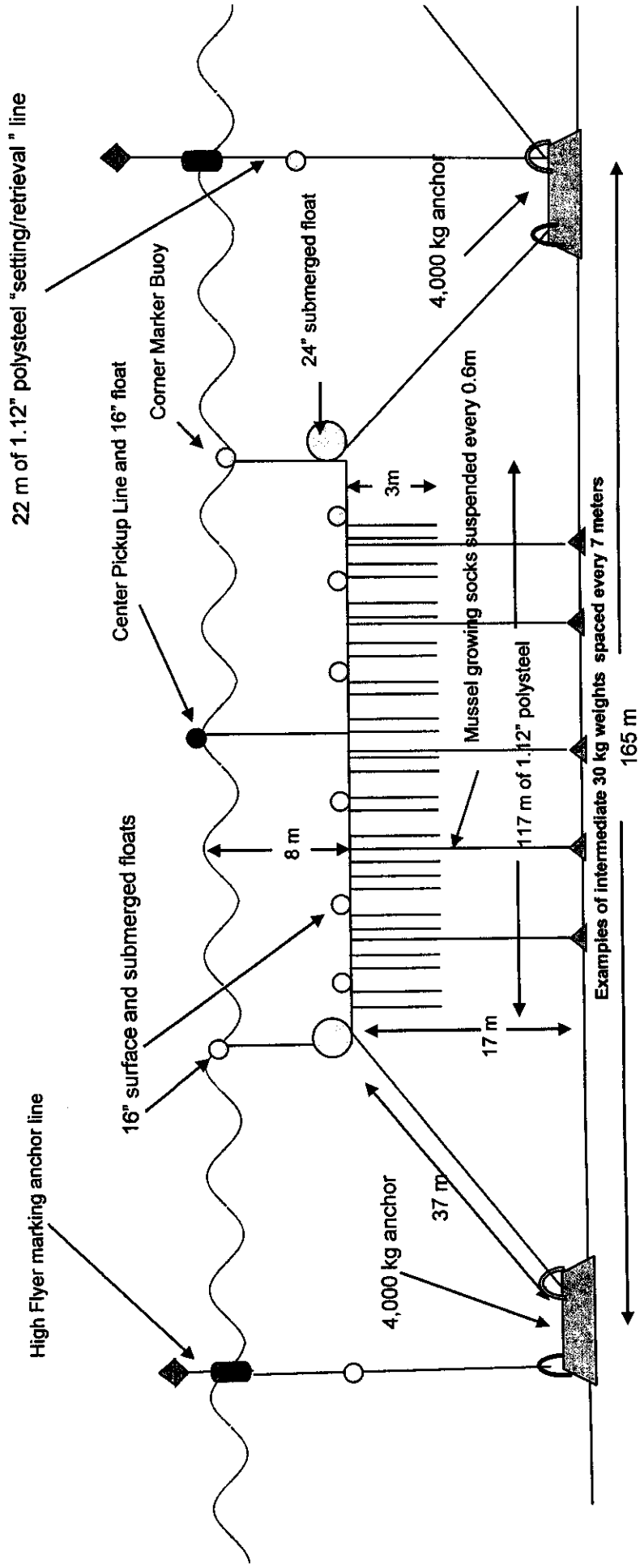
- Proposed Aquaculture Site
- Offshore Town Boundary

0 0.25 0.5 Kilometers 0 0.25 0.5 Miles

Note: This map is for planning purposes only. It is not adequate for legal boundary definition or navigation. The MVC cannot be responsible for how this data is used or interpreted by the end user.

Prepared by: The Martha's Vineyard Commission, CL Seidel, 3/24/11, www.mvcommission.org, 508-693-3453
 Data: Nautical Chart #13218 - NOAA/MassGIS 1993; Proposed Aquaculture Sites - MV Shellfish & MFC 2011
 Coordinate Reference: State Plane, Mass Mainland, NAD 83, m
 File: dls_estuarine_chi_shellfish_rev2011_037.mxd; original in color

Plan of new mussel longlines at N. Chilmark



Plan of connection between longlines and anchors

